

2300

#14



OIKE

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/839,946B

TIME: 12:32:12

Input Set : A:\MVIEWD.1A2DV1.TXT

Output Set: N:\CRF3\05012002\I839946B.raw

ENTERED

4 <110> APPLICANT: Williams, L. David
 5 Hershfield, Michael S.
 6 Kelly, Susan J.
 7 Saifer, Mark G.P.
 8 Sherman, Merry R.
 10 <120> TITLE OF INVENTION: PEG-URATE OXIDASE CONJUGATES AND USE
 11 THEREOF
 13 <130> FILE REFERENCE: MVIEWD.1A2DV1
 15 <140> CURRENT APPLICATION NUMBER: US 09/839,946B
 C--> 16 <141> CURRENT FILING DATE: 2002-04-15
 18 <150> PRIOR APPLICATION NUMBER: 09/370,084
 19 <151> PRIOR FILING DATE: 1999-08-06
 21 <150> PRIOR APPLICATION NUMBER: 09/130,392
 22 <151> PRIOR FILING DATE: 1998-08-06
 24 <150> PRIOR APPLICATION NUMBER: 60/219,318
 25 <151> PRIOR FILING DATE: 1999-08-05
 27 <160> NUMBER OF SEQ ID NOS: 3
 29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 304
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Sus scrofa
 36 <400> SEQUENCE: 1
 37 Met Ala His Tyr Arg Asn Asp Tyr Lys Lys Asn Asp Glu Val Glu Phe
 38 1 5 10 15
 39 Val Arg Thr Gly Tyr Gly Lys Asp Met Ile Lys Val Leu His Ile Gln
 40 20 25 30
 41 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
 42 35 40 45
 43 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
 44 50 55 60
 45 Val Ile Pro Thr Asp Thr Ile Lys Asn Thr Val Asn Val Leu Ala Lys
 46 65 70 75 80
 47 Phe Lys Gly Ile Lys Ser Ile Glu Thr Phe Ala Val Thr Ile Cys Glu
 48 85 90 95
 49 His Phe Leu Ser Ser Phe Lys His Val Ile Arg Ala Gln Val Tyr Val
 50 100 105 110
 51 Glu Glu Val Pro Trp Lys Arg Phe Glu Lys Asn Gly Val Lys His Val
 52 115 120 125
 53 His Ala Phe Ile Tyr Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
 54 130 135 140
 55 Gln Ile Arg Asn Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
 56 145 150 155 160

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57 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
58                               165                170                175
59 Gln Phe Thr Thr Leu Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
60                               180                185                190
61 Val Tyr Cys Lys Trp Arg Tyr His Gln Gly Arg Asp Val Asp Phe Glu
62                               195                200                205
63 Ala Thr Trp Asp Thr Val Arg Ser Ile Val Leu Gln Lys Phe Ala Gly
64                               210                215                220
65 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
66 225                               230                235                240
67 Asp Ile Gln Val Leu Thr Leu Gly Gln Val Pro Glu Ile Glu Asp Met
68                               245                250                255
69 Glu Ile Ser Leu Pro Asn Ile His Tyr Leu Asn Ile Asp Met Ser Lys
70                               260                265                270
71 Met Gly Leu Ile Asn Lys Glu Glu Val Leu Leu Pro Leu Asp Asn Pro
72                               275                280                285
73 Tyr Gly Arg Ile Thr Gly Thr Val Lys Arg Lys Leu Thr Ser Arg Leu
74                               290                295                300
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 304
79 <212> TYPE: PRT
80 <213> ORGANISM: Papio hamadryas
82 <400> SEQUENCE: 2
83 Met Ala Asp Tyr His Asn Asn Tyr Lys Lys Asn Asp Glu Leu Glu Phe
84 1                               5                10                15
85 Val Arg Thr Gly Tyr Gly Lys Asp Met Val Lys Val Leu His Ile Gln
86                               20                25                30
87 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
88                               35                40                45
89 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
90                               50                55                60
91 Ile Ile Pro Thr Asp Thr Ile Lys Asn Thr Val His Val Leu Ala Lys
92 65                               70                75                80
93 Phe Lys Gly Ile Lys Ser Ile Glu Ala Phe Gly Val Asn Ile Cys Glu
94                               85                90                95
95 Tyr Phe Leu Ser Ser Phe Asn His Val Ile Arg Ala Gln Val Tyr Val
96                               100               105                110
97 Glu Glu Ile Pro Trp Lys Arg Leu Glu Lys Asn Gly Val Lys His Val
98                               115               120                125
99 His Ala Phe Ile His Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
100                              130               135                140
101 Gln Leu Arg Ser Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
102 145                              150               155                160
103 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
104                              165               170                175
105 Gln Phe Thr Thr Lys Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
106                              180               185                190
107 Val Tyr Cys Lys Trp Arg Tyr His Gln Cys Arg Asp Val Asp Phe Glu
108                              195               200                205

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109 Ala Thr Trp Gly Thr Ile Arg Asp Leu Val Leu Glu Lys Phe Ala Gly
110      210                      215                      220
111 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
112 225                      230                      235                      240
113 Asp Ile Gln Val Leu Ser Leu Ser Arg Val Pro Glu Ile Glu Asp Met
114                      245                      250                      255
115 Glu Ile Ser Leu Pro Asn Ile His Tyr Phe Asn Ile Asp Met Ser Lys
116                      260                      265                      270
117 Met Gly Leu Ile Asn Lys Glu Glu Val Leu Leu Pro Leu Asp Asn Pro
118                      275                      280                      285
119 Tyr Gly Lys Ile Thr Gly Thr Val Lys Arg Lys Leu Ser Ser Arg Leu
120      290                      295                      300
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 304
125 <212> TYPE: PRT
126 <213> ORGANISM: Mutant combination of Sus scrofa & Papio hamadryas
128 <400> SEQUENCE: 3
129 Met Ala His Tyr Arg Asn Asp Tyr Lys Lys Asn Asp Glu Val Glu Phe
130 1      5      10      15
131 Val Arg Thr Gly Tyr Gly Lys Asp Met Ile Lys Val Leu His Ile Gln
132      20      25      30
133 Arg Asp Gly Lys Tyr His Ser Ile Lys Glu Val Ala Thr Ser Val Gln
134      35      40      45
135 Leu Thr Leu Ser Ser Lys Lys Asp Tyr Leu His Gly Asp Asn Ser Asp
136 50      55      60
137 Val Ile Pro Thr Asp Thr Ile Lys Asn Thr Val Asn Val Leu Ala Lys
138 65      70      75      80
139 Phe Lys Gly Ile Lys Ser Ile Glu Thr Phe Ala Val Thr Ile Cys Glu
140      85      90      95
141 His Phe Leu Ser Ser Phe Lys His Val Ile Arg Ala Gln Val Tyr Val
142      100     105     110
143 Glu Glu Val Pro Trp Lys Arg Phe Glu Lys Asn Gly Val Lys His Val
144      115     120     125
145 His Ala Phe Ile Tyr Thr Pro Thr Gly Thr His Phe Cys Glu Val Glu
146      130     135     140
147 Gln Ile Arg Asn Gly Pro Pro Val Ile His Ser Gly Ile Lys Asp Leu
148 145     150     155     160
149 Lys Val Leu Lys Thr Thr Gln Ser Gly Phe Glu Gly Phe Ile Lys Asp
150      165     170     175
151 Gln Phe Thr Thr Leu Pro Glu Val Lys Asp Arg Cys Phe Ala Thr Gln
152      180     185     190
153 Val Tyr Cys Lys Trp Arg Tyr His Gln Gly Arg Asp Val Asp Phe Glu
154      195     200     205
155 Ala Thr Trp Asp Thr Val Arg Ser Ile Val Leu Gln Lys Phe Ala Gly
156      210     215     220
157 Pro Tyr Asp Lys Gly Glu Tyr Ser Pro Ser Val Gln Lys Thr Leu Tyr
158 225     230     235     240
159 Asp Ile Gln Val Leu Thr Leu Gly Gln Val Pro Glu Ile Glu Asp Met
160      245     250     255

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161	Glu	Ile	Ser	Leu	Pro	Asn	Ile	His	Tyr	Leu	Asn	Ile	Asp	Met	Ser	Lys
162				260					265					270		
163	Met	Gly	Leu	Ile	Asn	Lys	Glu	Glu	Val	Leu	Leu	Pro	Leu	Asp	Asn	Pro
164			275					280						285		
165	Tyr	Gly	Lys	Ile	Thr	Gly	Thr	Val	Lys	Arg	Lys	Leu	Ser	Ser	Arg	Leu
166		290					295					300				

VERIFICATION SUMMARY

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L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date